

MINUTES OF THE
MARICOPA ASSOCIATION OF GOVERNMENTS
AIR QUALITY TECHNICAL ADVISORY COMMITTEE MEETING

Thursday, October 23, 2014

MAG Office
Phoenix, Arizona

MEMBERS ATTENDING

- William Mattingly, Peoria, Chairman
- Drew Bryck, Avondale
- Susan Avans for John Minear, Buckeye
- # Jim Weiss, Chandler
- * Jamie McCullough, El Mirage
- Jessica Koberna, Gilbert
- Megan Sheldon, Glendale
- * Cato Esquivel, Goodyear
- # Kazi Haque, Maricopa
- # Greg Edwards for Scott Bouchie, Mesa
- Joe Giudice for Philip McNeely, Phoenix
- Sam Brown for Tim Conner, Scottsdale
- Antonio DeLaCruz, Surprise
- Oddvar Tveit, Tempe
- * Youngtown
- Ramona Simpson, Queen Creek
- # Walter Bouchard, American Lung Association of Arizona
- Kristin Watt, Salt River Project
- * Rebecca Hudson, Southwest Gas Corporation
- * Ann Carlton, Arizona Public Service Company
- # Gina Grey, Western States Petroleum Association
- Amanda Luecker for Robert Forrest, Valley Metro/RPTA
- * Dave Berry, Arizona Motor Transport Association
- Jeannette Fish, Maricopa County Farm Bureau
- * Steve Trussell, Arizona Rock Products Association
- Ashley Ferguson for Claudia Whitehead, Greater Phoenix Chamber of Commerce
- # Amanda McGennis, Associated General Contractors
- * Spencer Kamps, Homebuilders Association of Central Arizona
- * Mannie Carpenter, Valley Forward
- # Kai Umeda, University of Arizona Cooperative Extension
- Joonwon Joo for Beverly Chenausky, Arizona Department of Transportation
- * Arizona Department of Environmental Quality
- * Environmental Protection Agency
- Corky Martinkovic, Maricopa County Air Quality Department
- Scott DiBiase, Pinal County
- * Michelle Wilson, Arizona Department of Weights and Measures
- * Ed Stillings, Federal Highway Administration
- Judi Nelson, Arizona State University
- Stan Belone, Salt River Pima-Maricopa Indian Community

*Members neither present nor represented by proxy.

#Participated via telephone conference call.

+Participated via video conference call.

OTHERS PRESENT

- Lindy Bauer, Maricopa Association of Governments
- Matt Poppen, Maricopa Association of Governments
- Julie Hoffman, Maricopa Association of Governments
- Kara Johnson, Maricopa Association of Governments
- Feng Liu, Maricopa Association of Governments
- Taejoo Shin, Maricopa Association of Governments
- Adam Xia, Maricopa Association of Governments
- Cathy Arthur, Maricopa Association of Governments
- Randy Sedlacek, Maricopa Association of Governments
- Patrick Shaw, Maricopa Association of Governments
- Dean Giles, Maricopa Association of Governments
- Bob Huhn, Maricopa County Air Quality Department
- Joe Gibbs, City of Phoenix
- Diane Arnst, Arizona Department of Environmental Quality

1. Call to Order

A meeting of the Maricopa Association of Governments (MAG) Air Quality Technical Advisory Committee (AQTAC) was conducted on October 23, 2014. William Mattingly, City of Peoria, Chair, called the meeting to order at approximately 1:30 p.m. Greg Edwards, City of Mesa; Jim Weiss, City of Chandler; Gina Grey, Western States Petroleum Association; Amanda McGennis, Associated General Contractors; Walter Bouchard, American Lung Association of Arizona; Kazi Haque, City of Maricopa; and Kai Umeda, University of Arizona Cooperative Extension, attended the meeting via telephone conference call.

Chair Mattingly indicated that copies of the handouts for the meeting are available. He noted for members attending through audio conference, the presentations for the meeting will be posted on the MAG website under Resources for the Committee agenda, whenever possible. If it is not possible to post them before the meeting, they will be posted after the meeting.

2. Call to the Audience

Chair Mattingly stated that according to the MAG public comment process, members of the audience who wish to speak are requested to fill out comment cards, which are available on the tables adjacent to the doorways inside the meeting room. Citizens are asked not to exceed a three minute time period for their comments. Public comment is provided at the beginning of the meeting for nonagenda items that fall under the jurisdiction of MAG and nonaction agenda items. Chair Mattingly noted that no public comment cards had been received.

3. Approval of the September 23, 2014 Meeting Minutes

The Committee reviewed the minutes from the September 23, 2014 meeting. Ramona Simpson, Town of Queen Creek, moved and Jessica Koberna, Town of Gilbert, seconded and the motion to approve the September 23, 2014 meeting minutes, carried unanimously.

4. Evaluation of Proposed PM-10 Certified Street Sweeper Projects for FY 2015 CMAQ Funding

Dean Giles, Maricopa Association of Governments, presented the evaluation of proposed PM-10 Certified Street Sweeper Projects for Fiscal Year (FY) 2015 Congestion Mitigation and Air Quality Improvement (CMAQ) funding. The deadline for submitting project applications was September 30, 2014. Seventeen projects requesting approximately \$3.79 million in federal funds were evaluated. The FY 2015 Unified Planning Work Program and Annual Budget and FY 2014-2018 MAG Transportation Improvement Program contain \$1.4 million in FY 2015 CMAQ funding to encourage the purchase and utilization of PM-10 certified street sweepers. A minimum local cash match of 5.7 percent is required.

Mr. Giles stated that under the programming process, the MAG Street Committee is required to review the street sweeper applications. The MAG Street Committee met on October 14, 2014. Mr. Giles noted that comments made by the MAG Street Committee are provided in the agenda materials. MAG staff applied the CMAQ methodologies using the data supplied in the project applications to calculate the PM-10 emission reductions shown in the table as kilograms per day and cost-effectiveness as CMAQ dollar cost per annual metric ton of PM-10 reduced. Mr. Giles noted that the projects are displayed with the PM-10 emissions reductions in descending order of cost-effectiveness. He indicated that seven projects could be funded with the CMAQ funds currently available; the projects that are fully

funded include: two projects for the City of Phoenix; one project for the City of Peoria; one project for the City of Goodyear; and two projects for the City of Surprise. A portion of the funds are available for the Surprise number three project. The list of prioritized street sweeper projects are retained should additional funding be obtained through closeout or other regional funding. The MAG AQTAC is requested to recommend a prioritized list of proposed PM-10 Certified Street Sweeper Projects for FY 2015 CMAQ funding to be reviewed at the January 7, 2015 meeting of the MAG Management Committee. If recommended by the MAG Management Committee, the MAG Regional Council would consider the list of projects at their January 28, 2015 meeting.

Ms. Simpson inquired why the City of Phoenix projects have significantly higher daily emission reductions. Mr. Giles replied that the Phoenix street sweeper projects are replacing PM-10 certified street sweepers that were down significantly more time than other project street sweepers. In addition, he added that the Phoenix street sweepers will be sweeping in the Salt River area where silt loadings are higher than other areas resulting in higher emission reductions.

The Committee reviewed the prioritized list of proposed PM-10 Certified Street Sweeper Projects for FY 2015 CMAQ funding. Antonio DeLaCruz, City of Surprise, moved and Amanda McGennis, Associated General Contractors, seconded, and the motion to recommend the prioritized list of Proposed PM-10 Certified Street Sweeper Projects for FY 2015 CMAQ funding to the MAG Management Committee carried unanimously.

5. Update on the Arizona Center for Law in the Public Interest Lawsuit on the MAG 2012 Five Percent Plan for PM-10

Lindy Bauer, Maricopa Association of Governments, provided an update on the Arizona Center for Law in the Public Interest (ACLPI) lawsuit on the MAG 2012 Five Percent Plan for PM-10. On September 24, 2014, the MAG Regional Council approved MAG's Washington legal counsel to file a motion for MAG to intervene on behalf of the respondent in the lawsuit filed by ACLPI to challenge the Environmental Protection Agency (EPA) approval of the MAG 2012 Five Percent Plan for PM-10. MAG began coordinating closely with Maricopa County who had expressed interest in filing either a potential joint motion with MAG or an individual motion. The MAG Washington legal counsel worked with the Maricopa County Attorney's Office. After discussion, MAG was notified by its legal counsel today, October 23, 2014, that Maricopa County has decided to not file a joint motion to intervene. Since Maricopa County is a member of MAG, the MAG motion already represents the interests of the MAG members. Maricopa County may seek authorization to file an amicus brief in the event that it is necessary and/or appropriate. MAG will also file an individual brief. Ms. Bauer indicated that MAG's legal counsel anticipates filing the motion to intervene today, October 23, 2014. She stated that she will report back on if the court will allow MAG to intervene.

Ms. Bauer stated that on October 16, 2014, MAG received the ACLPI lawsuit brief which has been included in the agenda materials. She indicated that the brief raises issues on the following: exceptional events; Agricultural Best Management Practices Program; best available control measures and most stringent measures; and contingency measures. MAG's Washington legal counsel is reviewing the ACLPI brief that also mentions Pinal and Pima Counties. Ms. Bauer mentioned that EPA has now been given until December 17, 2014 to file the respondent's answering brief.

Chair Mattingly thanked Ms. Bauer for the update.

6. Update on the Winter Holiday No Burn Campaign and Speciation Analysis

Bob Huhn, Maricopa County Air Quality Department, provided an update on the No Burn Campaign and speciation analysis. He indicated that last year Maricopa County presented the No Burn Campaign to the Committee, which is a joint campaign between the Arizona Department of Environmental Quality (ADEQ) and Maricopa County Air Quality Department. The No Burn Campaign was initiated in 2013 to avoid nonattainment status for the 24-hour PM-2.5 standard. Mr. Huhn displayed a chart of the Maricopa County PM-2.5 annual average trends for years 2005 through 2013. He noted that a three year average is used to determine if the PM-2.5 standard has been met. Mr. Huhn stated that PM-2.5 levels were high in years 2011 and 2012. He commented that the concentrations came down in 2013, which is when the increased education of the No Burn Campaign was initiated. Mr. Huhn reported that 74 partners, some of which included cities, towns, governments, and the private sector, were involved in the successful 2013 No Burn Campaign. He discussed that ADEQ performed a post-campaign survey in which 64 percent of individuals who heard that it was a no burn day did not burn wood because of the message. Mr. Huhn commented that they were pleased with those results, however there is still room to improve. He stated that the campaign this year will be more aggressive in that it will start earlier in the year and aim to reach more people.

Mr. Huhn discussed fireworks with regard to PM-2.5 concentrations. He displayed a graph of the Glendale five minute PM-2.5 concentrations for New Years Eve 2013 and New Years Day 2014. The highest concentrations at the Glendale monitor were between 10:00 p.m. on New Years Eve and 2:00 a.m. New Years Day. The West Phoenix monitor reported the highest concentrations on New Years Eve. Mr. Huhn clarified that commercial firework displays were not creating the high spike in PM-2.5 concentrations. Consumer fireworks that are low to the ground attributed greatly to the high concentrations in PM-2.5. He indicated that consumer fireworks will be a focus of the 2014 campaign.

Corky Martinkovic, Maricopa County Air Quality Department, reported that special monitors were utilized last year to provide speciation analysis. The chemical signature for fireworks was analyzed for its impact on PM-2.5 concentrations. Ms. Martinkovic indicated that the speciation monitors will be utilized again this year for another speciation analysis with additional dates and times. The speciation will be active one in three days beginning November 19, 2014 through January 9, 2015. Additional sample dates of November 26th and 27th as well as December 24th and 31st have been included. Ms. Martinkovic indicated that Maricopa County staff further analyzed the speciation study from last year to determine even more sources for a more robust speciation analysis. She added that Maricopa County is looking to publish the speciation findings.

Mr. Huhn stated that ADEQ sponsored a nationwide video contest for the No Burn Campaign in which many schools in the region participated. He reported that approximately 15 videos were submitted. The first place video submission and a submission that received an honorable mention were played for the Committee. The 5th grader who submitted the first place video was surprised at a school assembly where her submission was recognized as receiving first place. Mr. Huhn added that No Burn Man, a character in the campaign, also participated in the assembly. The video will be placed on websites and used in the No Burn Campaign.

Mr. Huhn discussed the Palo Verde Emergency Education Center. He stated that this facility is going to allow governmental agencies to take advantage of the facility's auditorium and video staff at no cost.

Mr. Huhn indicated that an open house will be held at the Palo Verde facility for those agencies who do not have access to video equipment and staffing, but are interested in producing a show or educational media for the No Burn Campaign. Palo Verde is donating the facility, staffing, and video editing for organizations that would like to produce educational media. Mr. Huhn mentioned that this will be a very beneficial tool for spreading the campaign message that they did not have last year.

Mr. Huhn announced that there will be more grocery stores participating in the campaign this year. Last year, Bashas', AJ's Fine Foods, and Food City participated in the campaign. This year even more stores are included: Fry's, Safeway, Albertsons, Ranch Market, and Walmart. The participating grocery stores will have signage on no burn days by the wood, checkouts, entrances, and exits. In addition, audio spots will be played in the stores. The stores may also allow the campaign to advertise in the weekly newspaper advertisements which reach 1.5 million people each week. Mr. Huhn indicated that the campaign is appreciative of the grocery store participants effort which will greatly expand the number of people reached.

Mr. Huhn reported that the restaurant association will also be participating in the campaign this year. ADEQ has created a fun activity sheet for children to be passed out at participating family restaurants. Participating restaurants have also agreed to not burn fireplaces when it is a no burn day and help get the message out.

Mr. Huhn stated that ADEQ and Maricopa County are also working with Univision and La Voz. He discussed a Maricopa County Air Quality Department settlement for public outreach in specific geographic areas. Mr. Huhn indicated that south Phoenix and west Phoenix will be targeted because these areas have the highest PM-2.5 concentrations during the holidays. This is partly due to wind flow patterns and that the area has more wood burning fireplaces due to older homes. La Voz is setting up messages such as, health messages, no burn day education, and the importance of no burn days are currently being discussed within the Spanish outreach program. Univision has discussed participating in events and doing television public service announcements. Mr. Huhn discussed that these partnerships are a strong component in reaching a target audience and will be expanded this year.

Mr. Huhn discussed ideas that were utilized in the 2013 campaign that can be used this year. The following methods were discussed: Channel 11 public service announcements; space on billboards and messaging boards; social media; inserts for water bills; internal and external newsletters; messaging to employees; and fireworks messaging. Mr. Huhn stated that last year, billboard space was purchased for the campaign at a significant discount in which the billboard company gave two for one and three for one discounts. The campaign had about 20 billboards in 2013. Mr. Huhn asked that organizations utilize the campaign tools and materials, such as artwork, videos, and fact sheets, on their webpages and social media sites. He added that the Phoenix Sky Harbor Airport will be including campaign information in both an internal and external newsletter. Mr. Huhn indicated that the fireworks message is a key component of the 2014 campaign. He stated that ADEQ and Maricopa County are talking with the Phoenix Fire Department about getting the word out on fireworks, no burn days, and the health impacts to the public.

Mr. Huhn asked if the Committee had any ideas for the campaign. He thanked many organizations for their support in the 2013 No Burn Campaign and hope that many will participate in the 2014 campaign.

Ms. McGennis stated that the Associated General Contractors will commit to a billboard and that she would also speak to Friends of Transit and some contractors. Mr. Huhn added that logos of sponsors are included on the billboard as a way of thanks. Ms. McGennis asked if shortening commercial firework programs would help. Mr. Huhn responded that commercial fireworks do not contribute significantly to the high PM-2.5 concentrations; it is the consumer fireworks closer to the ground that contribute significantly to the PM-2.5 concentrations. He indicated that they would rather residents visit commercial fireworks instead of lighting consumer fireworks closer to the ground and that are near air quality monitors. Ms. Martinkovic stated that Phoenix Fire Department has agreed to talk about the No Burn Campaign as part of their firework safety message. She added that Maricopa County employees have also volunteered to ride along with enforcement officers on holidays such as Christmas Eve, Christmas Day, New Years Eve, and New Years Day to ensure safety when responding to firework calls.

Ms. Koberna inquired about firework legislation. Ms. Martinkovic replied that the topic is being discussed, however they are unsure if legislation is an option at this point. She noted that the subject is difficult, but they do hope the discussion will shed light on the subject and the consequences. Mr. Huhn indicated that the focus can be placed on urging residents to attend commercial firework displays. Ms. Koberna asked about a timeframe to receive campaign education materials. Mr. Huhn responded that the materials will be ready soon.

Chair Mattingly asked if Maricopa County will be contacting the cities and towns Public Information Offices. Mr. Huhn replied that he will be contacting them and the Public Information Offices can contact him for information as well.

7. Update on the Ozone Monitoring Data

Julie Hoffman, Maricopa Association of Governments, provided an update on the ozone monitoring data. She stated that at the September Committee meeting, a list of ozone exceedances that had occurred in 2014 had been provided. Since that meeting, two additional ozone exceedances occurred on September 25, 2014 at the North Phoenix and Pinnacle Peak monitors. An updated list of the ozone exceedances for the 2014 ozone season, as well as, a table of the three year average of the fourth high values have been provided in the agenda materials. Ms. Hoffman noted that the three year average of the annual fourth high values did not change from what was reported in September. The region continues to have four violating monitors in 2014: North Phoenix; Supersite; Pinnacle Peak; and West Phoenix. This is down from the 10 violating monitors in 2013. This was an update on the ozone monitoring data for 2014 now that the ozone season is over.

8. MAG Air Quality Technical Advisory Committee Vice Chair Vacancy - Letters of Interest

Ms. Bauer discussed the MAG Air Quality Technical Advisory Committee Vice Chair vacancy. On August 21, 2013, the MAG Regional Council approved MAG Committee Operating Policies and Procedures. In the event of a vacancy of the Chair position, the Vice Chair ascends to the Chair for the unexpired term of the previous Chair. MAG has a Vice Chair vacancy on the Air Quality Technical Advisory Committee. MAG is requesting that member agencies interested in the vacant Vice Chair position submit a letter of interest by October 27, 2014 to the MAG Regional Council Chair, Mayor Michael LeVault. Ms. Bauer indicated that a memorandum has been sent to the Committee, this is a reminder.

9. Call for Future Agenda Items

Chair Mattingly requested suggestions for future agenda items. He indicated that the next meeting of the Committee has been scheduled for Thursday, December 4, 2014 at 1:30 p.m. With no further comments, the meeting was adjourned at approximately 2:10 p.m.